POLYMER COMMUNICATIONS AUTHOR INDEX VOLUME 27 1986

Abubaker, A. M., 125–127, 194–196
Al-Malaika, S., 173–174
Allain, C., 177–180, 351–353
Allen, S. R., 138–140
Amano, M., 310–314
Aminabhavi, T. M., 254–255
Ando, H., 339–341
Andruzzi, F., 154–157
Appleby, R. W., 45–46
Arruabarrena, L., 92–95
Artaud, I., 26–28
Attard, G. S., 2–4, 66–68

Babu, G. N., 220–223
Bannister, D. J., 98–100
Barlow, A. J., 125–127
Bartlett, P. N., 362–363
Bauer, B. J., 132–135
Beer, H., 79–81
Begin, D., 117–119
Bellenger, V., 279–281
Bello, A., 166–168
Ben Cheikh Larbi, F., 23–25
Berney, C. V., 330–332
Bhattacharyya, S. N., 151–154
Bilin, L., 182–183
Billaud, D., 117–119
Biver, C., 351–353
Blair, R. S., 53–55
Blazy, J. A., 357–360
Blonski, S., 130–131
Bogoczek, R., 286–288
Boiko, N. I., 190–192
Bokobza, L., 89–91
Bowden, M. J., 34–36
Bowley, H. J., 43–44
Briggs, N., 292–294
Brown, F., 71–73
Brown, H. R., 357–360
Bubeck, R., 354–356, 357–360
Buckley, D. J., 357–360
Busfield, W. K., 45–46

Camberlin, Y., 230–232
Casolaro, M., 14–15
Cassidy, P. E., 254–255
Ceccorulli, C., 228–230
Cerrai, P., 154–157
Challa, G., 148–151
Chambers, S., 209–211
Chan, E. K. M., 196–198
Chand, N., 157–160
Chanzy, H., 171–172
Chaturvedi, P. N., 301–303
Chee, K. K., 135–137
Cherry, W. R., 37–39
Clarson, S. J., 31–32, 244–245, 260–262
Cohen, R. E., 330–332
Comyn, J., 332–333
Conheeny, K., 364–365
Cowie, J. M. G., 122–124, 258–260
Crispin, A. J., 264–266

Danusso, F., 56–58
Darlington, M. W., 109–112
Das, C. K., 188–190
Davies, G. R., 98–100, 100–102
De Schryver, F. C., 89–91
Demai, J. J., 117–119
Diaz Calleja, R., 11–13
Dodd, G. H., 362–363
Donald, A. M., 18–20
Drifford, M., 177–180

Erman, B., 240–242

Fatou, J. G., 166–168
Fayt, R., 212–215
Feast, W. J., 162–164
Ferguson, R., 258–260
Fetters, L. J., 182–183
Finocchiaro, P., 202–203
Fortunato, B., 29–30
Fowler, A. H. K., 251–254
Francillette, J., 279–281
Francois, J., 233–235
Freidzon, Ya. S., 190–192
Frere, Y., 16–17
Fuhrmann, J., 164–166
Fukumoto, T., 282–285
Furusaka, M., 47–49

Gadd, K. F., 272–274, 274–278
Galiatsatos, V., 260–262
Gan, L. M., 50–52
Gan, Y. S. J., 233–235
Garay, M. T., 74–76, 122–124
Garbarczyk, J., 335–338
Gauthier-Manuel, B., 177–180
Geil, P. H., 105–108
Gerrard, D. L., 43–44
Giles, J. R. M., 360–362
Gomez, M. A., 166–168
Gomez-Anton, M. R., 5–7
Gozdz, A. S., 34–36
Gramain, P., 16–17
Greene, W. R. Jr., 295–298
Greenhall, M. P., 360–362
Greidanus, F. J. A. M., 268–271
Greig, D., 264–266
Grenier-Loustalot, M.-F., 206–208
Grubb, D. T., 84–88
Guenet, J. M., 233–235
Guthrie, J., 53–55, 209–211
Guzman, G. M., 11–13

Hadjichristidis, N., 182–183
Halary, J. L., 23–25
Hall, P. G., 98–100, 100–102
Hamada, F., 47–49
Hammouda, B., 354–356
Han, C. C., 132–135
Harrison, G., 125–127
Hayakawa, T., 175–176
Hayashi, H., 47–49
Hayat, U., 362–363
Heponen, V.-P., 180–181
Hernandez-Fuentes, I., 5–7
Herold, F. K., 59–63
Hill, B. J., 226–228
Hirayama, C., 282–285
Hoarau, P., 279–281
Hodge, P., 322–323
Hoffman, J. D., 39–40
Hofmann, R., 164–166
Horley, C. C., 332–333
Horska, J., 31–32
Horta, A., 5–7
Hsu, C. C., 105–108
Hudd, A. L., 196–198
Hvilsted, S., 154–157

Ihara, H., 282–285
Iijima, T., 235–237
Inaba, K., 339–341
Inoue, T., 246–247
Ioan, S., 113–116
Ishikawa, Y., 47–49
Itakura, K., 69–70
Iwabuchi, S., 339–341

Jarvela, P., 180–181
Jerome, R., 212–215
Joseph, P., 8–10
Joshi, M. G., 324–327
Jullien, H., 206–208

Kaiser, H., 354–356
Kaneto, K., 246–247
Karasawa, M., 262–263
Katayama, D., 235–237
Katime, I., 74–76
Kelusky, E. C., 204–206
Khorramian, B. A., 184–187
Khoshdel, E., 322–323
Kikuchi, K., 102–105
Kim, O., 71–73
Kinugasa, S., 47–49
Kloosterboer, J. G., 268–271
Kociolek-Balawejder, E., 286–288
Kofinas, P., 330–332
Kohno, R., 366–368
Kojima, K., 339–341
Komiyama, J., 235–237
Kow, C., 182–183
Kramer, E. J., 132–135, 357–360
Kroon, J., 290–292
Kroon-Batenburg, L. M., 290–292
Kunugi, T., 175–176
Kurita, K., 47–49

Lamb, J., 125–127
Le Brocq, K. M. F., 98–100
Lecourtier, J., 351–353
Leloup, S., 23–25
Lesec, J., 351–353
Lestingi, A., 56–58
Lijten, G. F. C. M., 268–271
Lin, T.-H., 37–39
Lipatov, Yu. S., 190–192
Long, T., 71–73
Louden, J. D., 82–83

Maddams, W. F., 43–44
Mahalingam, R., 342–344
Mallik, R. R., 332–333
Mamo, A., 202–203
Manaresi, P., 29–30
Mandal, B. M., 151–154
Mark, J. E., 244–245
Maruyama, K., 349–350
Masuko, T., 299–301
Mathur, B. K., 218–220
Mattice, W. L., 37–39
Matuszczak, S., 162–164
McEwen, I. J., 122–124
McFaddin, D. C., 204–206
McIntyre, J. E., 98–100, 100–102
McKenna, G. B., 304–306
Mitchell, G. R., 76–78, 346–349
Miyatake, S., 69–70
Miyoshi, M., 235–237
Mizushima, A., 175–176
Monnerie, L., 23–25, 89–91, 240–242
Mukherjee, D., 218–220
Munari, A., 29–30
Munoz, M. E., 92–95
Munro, H. S., 79–81, 202–203, 251–254
Murakami, I., 366–368

Naim, A. A., 322–323
Nakagawa, K., 310–314

Nakahira, T., 339–341
Nakajima, A., 47–49
Nakajima, S., 47–49
Nakanishi, F., 238–239
Nakanishi, H., 238–239
Nandi, A. K., 151–154
Naqvi, M. K., 8–10
Narkis, M., 314–317
Neamtu, I., 113–116
Ng, S. C., 50–52
Ni, S., 318–320
Nierzwicki, W., 327–329
Nocentini, M., 14–15
Northolt, M. G., 290–292
Nuffer, R., 233–235

O'Brien, J. P., 138–140
O'Donnell, R. P., 53–55
Ochiai, H., 366–368
Odajima, A., 76–78
Ohsawa, T., 246–247
Oikawa, K., 262–263
Okada, S., 238–239
Omikorede, E. O., 173–174
Ors, J. A., 41–42
Otterburn, M. S., 209–211
Ouhadi, T., 212–215

Paci, M., 154–157
Paillet, M., 171–172
Pascault, J.-P., 230–232
Patel, C. K., 301–303
Pathak, C. P., 220–223
Patni, M. J., 220–223
Peguy, A., 171–172
Pena, J. J., 92–95
Perez, E., 166–168
Pethrick, R. A., 125–127, 194–196
Pham-Van-Cang, C., 89–91
Phillips, P. J., 307–309
Philpot, R. J., 307–309
Pilati, F., 29–30
Pizzoli, M., 228–230
Plazek, D. J., 304–306
Pramanik, P., 218–220
Price, C., 196–198, 292–294
Pritchard, R. G., 332–333

Qian, B., 318–320
Quintana, J. R., 292–294

Recca, A., 202–203
Reginato, G., 14–15
Renyuan, Q., 169–171
Rim, P. B., 199–201
Robb, I., 292–294
Roche, E. J., 138–140
Rohatgi, P. K., 157–160
Roovers, J., 266–267
Rosea, T. J. C., 50–52
Roy, S. K., 151–154
Russell, K. E., 204–206
Rutkowska, M., 327–329

Sadler, D. M., 140–145
Saito, S., 333–335
Salla Tarrago, J. M., 11–13
Salome, L., 351–353
Samuelson, L. A., 242–243
Sandman, D. J., 242–243
Santamaria, A., 92–95
Sasaki, N., 69–70
Satherly, B., 272–274
Sato, K., 299–301
Satoh, M., 235–237
Scandola, M., 228–230
Scarlata, S. F., 41–42
Scherer, G. H., 164–166
Schulz, G. V., 59–63
Scott, A. J., 109–112
Scott, G., 173–174
Segre, A. L., 216–217
Semlyen, J. A., 31–32, 244–245
Shashikant, S., 301–303
Shen, L., 318–320
Shibaev, V. P., 190–192
Shilov, V. V., 190–192
Short, R. D., 251–254
Sienicki, K., 130–131
Simionescu, B. C., 113–116
Simionescu, C. I., 113–116
Smid, J., 148–151
Smith, A. C., 109–112
Smith, P., 295–298
Solaro, R., 216–217
Spragg, S. P., 226–228
Stein, R. S., 132–135
Stepto, R. F. T., 31–32
Stivala, S. S., 184–187
Stubbersfield, R. B., 196–198, 292–294
Suter, C., 272–274
Suto, S., 262–263
Swaminathan, K., 128–130

Takase, Y., 76–78
Takeda, S., 246–247
Tan, Y. Y., 148–151
Tanaka, R., 333–335
Tanizaki, Y., 349–350
Taylor, P. L., 248–251
Teng, F. S., 342–344
Termonia, Y., 295–298
Tewari, S. P., 128–130
Teyssie, Ph., 212–215
Thuillier, F. M., 206–208
Ti, C., 169–171
Tieghi, G., 56–58
Tokito, S., 333–335
Toporowski, P. M., 266–267
Tormala, P., 180–181
Tsonis, C. P., 145–147
Tsukruk, V. V., 190–192
Tsutsui, T., 333–335

Uedaira, H., 235–237

Vandendriessche, J., 89–91
Vangelisti, R., 117–119
Velazquez, C. S., 242–243
Verdu, J., 279–281
Viout, P., 26–28
Vyas, N. G., 301–303

Wallerstein, R., 314–317
Ward, I. M., 98–100, 100–102
Wazeer, M. I. M., 145–147
Williams, G., 2–4, 66–68
Wolf, B. A., 59–63
Woods, J., 209–211
Wright, N. F., 248–251
Wright, P. V., 364–365

Yagci, Y., 21–22
Yagi, M., 349–350
Yamada, K., 282–285
Yang, H., 132–135
Yoon, D. Y., 84–88
Yoshino, K., 246–247
Yu, F., 318–320

Zhongde, X., 182–183

POLYMER COMMUNICATIONS
CLASSIFIED CONTENTS VOLUME 27 1986

Absorption spectra
Degradation
Poly(vinyl alcohol), 349–350
Acid orange
Diffusion coefficient
Chitosan 10, 53–55
Adhesion
Polyester
Fibre, 157–160
Adsorption
Polyurea
Metallic ions, 339–341
Aggregation
Polyacrylamide
Solution properties, 301–303
Alkynes
^{13}C nuclear magnetic resonance spectroscopy
Oligomerization, 145–147
Amine oxide
Spinning
Wood, 171–172
Amphiphile
Poly(aspartic acid)
Morphology, 282–285
Annealing
Poly(ether–ether–ketone)
Film, 175–176
Antioxidant
Stabilizer
Processing, 173–174

Bacteriocidal polymers
Sulphonamides
Cation exchangers, 286–288
Benzene
Electrochemical polymerization
Poly(*p*-phenylene), 246–247
Birefringence
Poly(L-lysine hydrobromide)
Transition, 102–105
Blend
Emulsifier
Copolymer, 212–215
Blends
Viscosity
Cyclic molecules, 304–306
Block copolymers
Light scattering
Micelles, 292–294
Micelle formation
Polystyrene, 196–198
Polymerization
Oxocarbenium, 21–22
Scattering
Polybutadiene, 330–332
Branched polymer
X-ray scattering
Star polystyrene, 184–187
Branches
Relaxation
Nuclear magnetic resonance, 204–206
Brillouin spectroscopy
Gelation
Triton X-100, 50–52
^{13}C nuclear magnetic resonance spectroscopy
Epoxy resin
FT infra-red spectroscopy, 206–208
Oligomerization
Alkynes, 145–147
Tacticity
Stereochemistry, 216–217

Calibration
Chromatography
Molecular weight, 182–183
Carbon disulphide
Conformation
Polystyrene, 233–235
Catalysis
Poly(butylene terephthalate)
Tetrabutyl titanate, 29–30
Cation exchangers
Sulphonamides
Bacteriocidal polymers, 286–288
Cellulose acetate
Relaxation
Water absorption, 228–230
Cellulose fibres
Chain modulus
Hydrogen bonding, 290–292
Cellulose membrane
Regeneration
Permeation, 274–278
Tartrazine
Permeation, 272–274
Cellulose triacetate
X-ray diffraction
Solution, 138–140
Chain conformation
Nucleation
Crystallization, 140–145
Chain folding
Paraffins
Nucleation, 39–40
Chain modulus
Cellulose fibres
Hydrogen bonding, 290–292
Chitosan
Diffusion coefficient
Acid orange 10, 53–55
Chromatography
Molecular weight
Calibration, 182–183
Coil deformation
Polyacrylic acid
Shear flow, 71–73
Colouration
Photoinitiation
Epoxy resin, 162–164
Comb-branched polymers
Complexation
Thermodynamics, 14–15
Liquid crystalline polymer
X-ray diffraction, 190–192
Compatability
Polystyrene
Small-angle neutron scattering, 132–135
Complexation
Comb-branched polymers
Thermodynamics, 14–15
Nuclear magnetic resonance
Cyclic ether, 154–157
Complexes
E.s.c.a.
Metal selectivity, 202–203
Poly(methacrylic acid)
Poly(vinyl pyridine), 148–151
Poly(vinyl alcohol)
Electrolyte, 366–368
Concentration dependence
Excimer fluorescence
Polystyrene, 169–171
Conduction
Electrolyte
Poly(ethylene glycol), 360–362
Parathiocyanogen
Conductivity, 364–365
Conductivity
Conduction
Parathiocyanogen, 364–365
Polymer electrolyte
Poly(ethylene glycol), 100–102
Polypyrrole
Film, 346–349
Conformation
Poly(L-glutamic acid)
Hydration, 235–237
Polystyrene
Carbon disulphide, 233–235
X-ray diffraction
Polyoxetane, 166–168
Conformational transition
Polymethacrylate
Linear expansion coefficient, 74–76
Copolyester
Dielectric behaviour
Liquid crystal, 76–78
Liquid crystal polymers
Thermal conductivity, 264–266
Copolymer
Emulsifier
Blend, 212–215
Cosolvency
Synergism
Poly(methyl methacrylate), 122–124
Creep
Polypropylene
Irradiation, 45–46
Crosslinking
Polycaprolactone
Rheology, 314–317
Crystallization
Nucleation
Chain conformation, 140–145
Curing
Fluorescence
Polarization, 41–42
Photopolymerization
Thin film, 209–211
Cyclic ether
Nuclear magnetic resonance
Complexation, 154–157
Cyclic molecules
Blends
Viscosity, 304–306

Deformation
Exoemission
Polyethylene, 164–166
Polystyrene
X-ray scattering, 357–360
Degradation
Absorption spectra
Poly(vinyl alcohol), 349–350
Poly(butylene terephthalate)
Extrusion, 92–95
Shear
Poly(n-alkylmethacrylate)s, 59–63
Dielectric behaviour
Copolyester
Liquid crystal, 76–78
Dielectric relaxation
Liquid crystalline polymer
Electric field alignment, 2–4
Siloxane polymer, 66–68
Polychloroprene

Stress relaxation, 69–70
Differential scanning calorimetry
Melting behaviour
Side chain, 199–201
Diffusion
Nitrilebutadiene rubber
Solubility, 254–255
Solvation
Temperature dependence, 226–228
Diffusion coefficient
Chitosan
Acid orange 10, 53–55
Doping
Polyacetylene
Metallic halides, 117–119
Drawing
Melting
Polyethylene, 307–309
Poly(vinylidene fluoride)
Microwave heating, 310–314
Dynamic mechanical relaxation
Polyethylene
Morphology, 11–13

E.s.c.a.
Complexes
Metal selectivity, 202–203
Nitration
Cellulose, 251–254
Electric field alignment
Liquid crystalline polymer
Dielectric relaxation, 2–4
Electrochemical polymerization
Benzene
Poly(*p*-phenylene), 246–247
Synthesis
Poly(2-aminopyridine), 362–363
Electrolyte
Conduction
Poly(ethylene glycol), 360–362
Poly(vinyl alcohol)
Complexes, 366–368
Electron microscopy
Morphology
Polypropylene, 84–88
Electron spectroscopy
Styrene
Plasma, 332–333
Electropolymerization
Polyacrylonitrile
Film, 342–344
Emulsifier
Blend
Copolymer, 212–215
Entanglements
Viscoelasticity
Poly(dimethylsiloxane), 125–127
Enthalpy relaxation
Physical ageing
Poly(vinyl methyl ether), 258–260
Epoxy resin
Colouration
Photoinitiation, 162–164
FT infra-red spectroscopy
^{13}C nuclear magnetic resonance spectroscopy, 206–208
Equilibrium swelling
Poly(dimethylsiloxane)
Networks, 260–262
Ethyl cellulose
Tensile creep
Liquid crystals, 262–263
Ethylene glycol teeth
Ion conductivity
Polysiloxane comb polymers, 98–100
Excimer fluorescence
Mobility
Meso-di(*N*-carbazolyl)pentane, 89–91
Polystyrene
Concentration dependence, 169–171
Exoemission
Deformation
Polyethylene, 164–166
Extrusion
Degradation
Poly(butylene terephthalate), 92–95
Hot isostatic pressing
Polypropylene, 180–181

***FT* infra-red spectroscopy**
Epoxy resin
^{13}C nuclear magnetic resonance spectroscopy, 206–208
Fibre
Adhesion
Polyester, 157–160
Filler
Sulphuration
Rheology, 188–190
Film
Photoreaction
Phenylenediacrylic acid, 238–239
Poly(ether–ether–ketone)
Annealing, 175–176
Poly(*p*-phenylenevinylene)
Optical properties, 333–335
Polyacrylonitrile
Electropolymerization, 342–344
Polypyrrole
Conductivity, 346–349
Fluorescence
Micelle formation
Poly(hydroxyalkyl glutamines), 37–39
Monte-Carlo calculation
Polystyrene, 130–131
Polarization
Curing, 41–42
Foaming technique
Injection moulding
Frozen skin growth, 109–112
Frozen skin growth
Injection moulding
Foaming technique, 109–112

Gelation
Brillouin spectroscopy
Triton X-100, 50–52
Polycondensation
Network, 324–327
Gels
Light scattering
Latices, 177–180
Poly(vinyl chloride)
Raman spectroscopy, 43–44
Glass transition temperature
Poly(methyl acrylate)
Poly(vinyl acetate), 151–154
Grafting efficiency
Lithiation
Polybutadiene, 266–267
Granular mouldings
Morphology
Poly(methyl methacrylate), 56–58
Group effects
Polymer-supported alkoxides
Kinetics, 26–28

Hot isostatic pressing
Polypropylene
Extrusion, 180–181
Hydrogen bonding
Cellulose fibres
Chain modulus, 290–292

Inhibition
Plasma oxidation
Polyethylene surfaces, 79–81
Injection moulding
Foaming technique
Frozen skin growth, 109–112
Interpenetration
Poly(dimethylsiloxanes)
Networks, 244–245
Ion conductivity
Polysiloxane comb polymers
Ethylene glycol teeth, 98–100
Ionomer
Urethane elastomers
Microphase separation, 327–329
Irradiation
Creep
Polypropylene, 45–46

Kinetics
Poly(vinyl chloride)
Thermal stability, 8–10
Polymer-supported alkoxides
Group effects, 26–28

Latices
Gels
Light scattering, 177–180
Light scattering
Gels
Latices, 177–180
Micelles
Block copolymers, 292–294
Linear expansion coefficient
Polymethacrylate
Conformational transition, 74–76
Liquid crystal
Dielectric behaviour
Copolyester, 76–78
Liquid crystal polymers
Comb-branched polymers
X-ray diffraction, 190–192
Dielectric relaxation
Electric field alignment, 2–4
Siloxane polymer, 66–68
Surface interactions
Morphology, 18–20
Thermal conductivity
Copolyester, 264–266
Lithiation
Polybutadiene
Grafting efficiency, 266–267

Maleic anhydride
Maleimides
Nuclear magnetic resonance, 322–323
Maleimides
Maleic anhydride
Nuclear magnetic resonance, 322–323
Mark–Houwink–Sakurada constant
Viscosity
Solution properties, 135–137
Melting
Drawing
Polyethylene, 307–309
Melting behaviour
Differential scanning calorimetry
Side chain, 199–201
Meso-di(*N*-carbazolyl)pentane
Excimer fluorescence
Mobility, 89–91
Metal selectivity
E.s.c.a.
Complexes, 202–203
Metallic halides
Polyacetylene
Doping, 117–119
Metallic ions
Adsorption
Polyurea, 339–341
Micelle formation
Block copolymers
Polystyrene, 196–198
Fluorescence
Poly(hydroxyalkyl glutamines), 37–39
Micelles

Light scattering
Block copolymers, 292–294
Microphase separation
Urethane elastomers
Ionomer, 327–329
Microwave heating
Drawing
Poly(vinylidene fluoride), 310–314
Mobility
Excimer fluorescence
Meso-di(*N*-carbazolyl)pentane, 89–91
Molecular model
Structure
Poly(1,4-phenylenesulphide), 335–338
Molecular motion
Nuclear magnetic resonance
Phase transition, 299–301
Polybutadiene, 318–320
Molecular weight
Chromatography
Calibration, 182–183
Relaxation
Poly(dimethylsiloxane), 194–196
Monte-Carlo calculation
Polystyrene
Fluorescence, 130–131
Morphology
Amphiphile
Poly(aspartic acid), 282–285
Dynamic mechanical relaxation
Polyethylene, 11–13
Liquid crystalline polymer
Surface interactions, 18–20
Poly(methyl methacrylate)
Granular mouldings, 56–58
Poly(vinylidene fluoride)
Crystal structure, 105–108
Polypropylene
Electron microscopy, 84–88

Network
Gelation
Polycondensation, 324–327
Nitration
E.s.c.a.
Cellulose, 251–254
Nitrilebutadiene rubber
Diffusion
Solubility, 254–255
Nuclear magnetic resonance
Cyclic ether
Complexation, 154–157
Maleimides
Maleic anhydride, 322–323
Molecular motion
Phase transition, 299–301
Polybutadiene
Molecular motion, 318–320
Relaxation
Branches, 204–206
Nucleation
Chain conformation
Crystallization, 140–145
Chain folding
Paraffins, 39–40

Oligomerization
^{13}C nuclear magnetic resonance spectroscopy
Alkynes, 145–147
Optical properties
Film
Poly(*p*-phenylenevinylene), 333–335
Orientation
Dynamics
Networks, 240–242
Oriented filaments
Tensile strength
Polyethylene, 295–298
Oxocarbenium
Polymerization
Block copolymers, 21–22

Paraffins
Chain folding
Nucleation, 39–40
Parathiocyanogen
Conduction
Conductivity, 364–365
Penrose filing
Polypropylene
Quasicrystal, 248–251
Phase diagrams
Poly(vinylmethylether)
Polystyrene, 23–25
Phase segregation
Polyurethane
Poly(dimethylsiloxane), 230–232
Phase transition
Nuclear magnetic resonance
Molecular motion, 299–301
Phenylenediacrylic acid
Photoreaction
Film, 238–239
Photo-oxidation
Epoxy compounds
Gel permeation chromatography, 279–281
Photoinitiation
Colouration
Epoxy resin, 162–164
Photopolymerization
Curing
Thin film, 209–211
Photoreaction
Phenylenediacrylic acid
Film, 238–239
Plasma
Electron spectroscopy
Styrene, 332–333
Plasma oxidation
Inhibition
Polyethylene surfaces, 79–81
Polarization
Fluorescence
Curing, 41–42
Poly(1,4-phenylenesulphide)
Structure
Molecular model, 335–338
Poly(2-aminopyridine)
Electrochemical polymerization
Synthesis, 362–363
Poly(L-lysine hydrobromide)
Birefringence
Transition, 102–105
Poly(aryl–ether–ether–ketone)
Raman spectroscopy
Crystallinity, 82–83
Poly(aspartic acid)
Amphiphile
Morphology, 282–285
Poly(butyl methacrylate)
Solution properties
Viscosity, 113–116
Poly(butylene terephthalate)
Degradation
Extrusion, 92–95
Tetrabutyl titanate
Catalysis, 29–30
Poly(dimethylsiloxane)
Equilibrium swelling
Networks, 260–262
Interpenetration
Networks, 244–245
Phase segregation
Polyurethane, 230–232
Relaxation
Molecular weight, 194–196
Solution viscosity
Theta point, 31–32
Viscoelasticity
Entanglements, 125–127
Poly(ether–ether–ketone)
Film
Annealing, 175–176
Poly(ethylene glycol)
Conduction
Electrolyte, 360–362
Conductivity
Polymer electrolyte, 100–102
Poly(ethylene oxide) acrylate
Self-gelling polymers
Polymerization, 16–17
Poly(hydroxyalkyl glutamines)
Fluorescence
Micelle formation, 37–39
Poly(methacrylic acid)
Complexes
Poly(vinyl pyridine), 148–151
Poly(methyl acrylate)
Glass transition temperature
Poly(vinyl acetate), 151–154
Poly(methyl methacrylate)
Cosolvency
Synergism, 122–124
Morphology
Granular mouldings, 56–58
Poly(*n*-alkylmethacrylate)s
Degradation
Shear, 59–63
Poly(olefin sulphone)
Thermal stability
Copolymerization, 34–36
Poly(*p*-phenylene)
Electrochemical polymerization
Benzene, 246–247
Poly(*p*-phenylenevinylene)
Film
Optical properties, 333–335
Poly(tetrafluoroethylene)
Specific heat
Teflon, 128–130
Poly(vinyl acetate)
Glass transition temperature
Poly(methyl acrylate), 151–154
Poly(vinyl alcohol)
Absorption spectra
Degradation, 349–350
Electrolyte
Complexes, 366–368
Poly(vinyl chloride)
Gels
Raman spectroscopy, 43–44
Kinetics
Thermal stability, 8–10
Poly(vinylidene fluoride)
Drawing
Microwave heating, 310–314
Morphology
Crystal structure, 105–108
Poly(vinylmethylether)
Polystyrene
Phase diagrams, 23–25
Polyacetylene
Doping
Metallic halides, 117–119
Polyacrylamide
Aggregation
Solution properties, 301–303
Polyacrylic acid
Coil deformation
Shear flow, 71–73
Polyacrylonitrile
Film
Electropolymerization, 342–344
Polybutadiene
Lithiation
Grafting efficiency, 266–267
Nuclear magnetic resonance
Molecular motion, 318–320

Polybutadiene
Block copolymers
Scattering, 330–332
Polycaprolactone
Crosslinking
Rheology, 314–317
Polychloroprene
Dielectric relaxation
Stress relaxation, 69–70
Polycondensation
Gelation
Network, 324–327
Polydiacetylene
Polymerization
γ-irradiation, 242–243
Polyester
Adhesion
Fibre, 157–160
Polyethylene
Drawing
Melting, 307–309
Dynamic mechanical relaxation
Morphology, 11–13
Exoemission
Deformation, 164–166
Tensile strength
Oriented filaments, 295–298
Polyethylene surfaces
Inhibition
Plasma oxidation, 79–81
Polymer electrolyte
Conductivity
Poly(ethylene glycol), 100–102
Polymer-supported alkoxides
Group effects
Kinetics, 26–28
Polymerization
Block copolymers
Oxocarbenium, 21–22
Polydiacetylene
γ-irradiation, 242–243
Self-gelling polymers
Poly(ethylene oxide) acrylate, 16–17
Polymethacrylate
Conformational transition
Linear expansion coefficient, 74–76
Poly(methyl phenyl siloxane)
Refractive index increment
Specific volume, 5–7
Polyoxetane
X-ray diffraction
Conformation, 166–168
Polypropylene
Creep
Irradiation, 45–46
Hot isostatic pressing
Extrusion, 180–181
Morphology
Electron microscopy, 84–88
Quasicrystal
Penrose filing, 248–251
Polypyrrole
Film
Conductivity, 346–349
Polysiloxane comb polymers
Ion conductivity
Ethylene glycol teeth, 98–100
Polystyrene
Block copolymers
Micelle formation, 196–198
Conformation
Carbon disulphide, 233–235
Excimer fluorescence
Concentration dependence, 169–171
Monte-Carlo calculation
Fluorescence, 130–131
Poly(vinylmethylether)
Phase diagrams, 23–25
Small-angle neutron scattering
Compatability, 132–135
Shear, 354–356
X-ray scattering
Deformation, 357–360
Polythiocarbazole
Synthesis
Semiconductor, 218–220
Polyurea
Adsorption
Metallic ions, 339–341
Polyurethane
Phase segregation
Poly(dimethylsiloxane), 230–232
Processing
Antioxidant
Stabilizer, 173–174

Quasicrystal
Polypropylene
Penrose filing, 248–251

Radiation polymerization
Tacticity
Cyclohexyl α-chloroacrylate, 220–223
Radical trapping
Polyacrylate
Networks, 268–271
Raman spectroscopy
Poly(aryl–ether–ether–ketone)
Crystallinity, 82–83
Poly(vinyl chloride)
Gels, 43–44
Refractive index increment
Poly(methyl phenyl siloxane)
Specific volume, 5–7
Regeneration
Cellulose membrane
Permeation, 274–278
Relaxation
Cellulose acetate
Water absorption, 228–230
Nuclear magnetic resonance
Branches, 204–206
Poly(dimethylsiloxane)
Molecular weight, 194–196
Rheology
Crosslinking
Polycaprolactone, 314–317
Scleroglucan
Sol–gel transition, 351–353
Sulphuration
Filler, 188–190

Scattering
Block copolymers
Polybutadiene, 330–332
Scleroglucan
Rheology
Sol–gel transition, 351–353
Self-gelling polymers
Polymerization
Poly(ethylene oxide) acrylate, 16–17
Semiconductor
Polythiocarbazole
Synthesis, 218–220
Shear
Degradation
Poly(n-alkylmethacrylate)s, 59–63
Small-angle neutron scattering
Polystyrene, 354–356
Shear flow
Coil deformation
Polyacrylic acid, 71–73
Siloxane polymer
Dielectric relaxation
Liquid crystalline polymer, 66–68
Small-angle neutron scattering
Polystyrene
Compatability, 132–135
Shear
Polystyrene, 354–356
X-ray scattering
Poly-toluene solutions, 47–49
Sol–gel transition
Rheology
Scleroglucan, 351–353
Solution
Cellulose triacetate
X-ray diffraction, 138–140
Solution properties
Aggregation
Polyacrylamide, 301–303
Mark–Houwink–Sakurada constant
Viscosity, 135–137.
Viscosity
Poly(butyl methacrylate), 113–116
Solution viscosity
Poly(dimethylsiloxane)
Theta point, 31–32
Solvation
Diffusion
Temperature dependence, 226–228
Specific heat
Poly(tetrafluoroethylene)
Teflon, 128–130
Specific volume
Poly(methyl phenyl siloxane)
Refractive index increment, 5–7
Spinning
Amine oxide
Wood, 171–172
Stabilizer
Antioxidant
Processing, 173–174
Star polystyrene
X-ray scattering
Branched polymer, 184–187
Stereochemistry
Tacticity
^{13}C nuclear magnetic resonance spectroscopy, 216–217
Stress relaxation
Dielectric relaxation
Polychloroprene, 69–70
Structure
Poly(1,4-phenylenesulphide)
Molecular model, 335–338
Styrene
Electron spectroscopy
Plasma, 332–333
Sulphonamides
Cation exchangers
Bacteriocidal polymers, 286–288
Sulphuration
Filler
Rheology, 188–190
Surface interactions
Liquid crystalline polymer
Morphology, 18–20
Synergism
Cosolvency
Poly(methyl methacrylate), 122–124
Synthesis
Electrochemical polymerization
Poly(2-aminopyridine), 362–363
Polythiocarbazole
Semiconductor, 218–220

Tacticity
^{13}C nuclear magnetic resonance spectroscopy
Stereochemistry, 216–217
Radiation polymerization
Cyclohexyl α-chloroacrylate, 220–223
Tartrazine
Cellulose membrane
Permeation, 272–274
Teflon
Poly(tetrafluoroethylene)
Specific heat, 128–130
Temperature dependence

Diffusion
Solvation, 226–228
Tensile creep
Ethyl cellulose
Liquid crystals, 262–263
Tensile strength
Polyethylene
Oriented filaments, 295–298
Tetrabutyl titanate
Poly(butylene terephthalate)
Catalysis, 29–30
Thermal conductivity
Liquid crystal polymers
Copolyester, 264–266
Thermal stability
Poly(olefin sulphone)
Copolymerization, 34–36
Poly(vinyl chloride)
Kinetics, 8–10
Thermodynamics
Complexation
Comb-branched polymers, 14–15
Theta point
Poly(dimethylsiloxane)
Solution viscosity, 31–32
Thin film
Curing
Photopolymerization, 209–211
Transition
Birefringence
Poly(L-lysine hydrobromide), 102–105
Triton X-100
Gelation
Brillouin spectroscopy, 50–52

Urethane elastomers
Ionomer
Microphase separation, 327–329

Viscoelasticity
Poly(dimethylsiloxane)
Entanglements, 125–127
Viscosity
Blends
Cyclic molecules, 304–306
Mark–Houwink–Sakurada constant
Solution properties, 135–137
Solution properties
Poly(butyl methacrylate), 113–116

Water absorption
Cellulose acetate
Relaxation, 228–230
Wood
Spinning
Amine oxide, 171–172

X-ray diffraction
Cellulose triacetate
Solution, 138–140
Liquid crystalline polymer
Comb-branched polymers, 190–192
Polyoxetane
Conformation, 166–168
X-ray scattering
Polystyrene
Deformation, 357–360
Small-angle neutron scattering
Poly-toluene solutions, 47–49
Star polystyrene
Branched polymer, 184–187

Reprints

Reprints of all articles in this journal are available in quantities of 100 or more

Reprints are essential–

- for the company that wants to distribute impartial comment on its activities to potential customers and clients
- for the company that wants to up-date its technical staff on new techniques and new technologies
- for the company that wants to publicize its research and development work
- for the training course organizer who wants to assemble key reading material for his students
- for the university or technical college lecturer who wants to distribute the latest information on a topic under study

For full details of prices and availability of reprints, please write to

The Reprint Department
Butterworth Scientific Limited
PO Box 63 Westbury House Bury Street
Guildford Surrey GU2 5BH England